



ARCADIS of New York, Inc.  
6723 Towpath Road  
P O Box 66  
Syracuse  
New York 13214-0066  
Tel 315 446 9120  
Fax 315 449 0017  
[www.arcadis-us.com](http://www.arcadis-us.com)

Peter Ramanauskas  
U.S. EPA Region 5  
77 W. Jackson Blvd  
Chicago, IL 60604

ENVIRONMENT

Subject:  
GE Aviation – Cincinnati/Air Test Facility  
Data Summary of Second Air Sampling Event – April 2013

Date:  
April 29, 2013

Dear Mr. Ramanauskas:

On April 9, 2013, GE Aviation, an operating division of the General Electric Company (GE), performed air testing activities at the Altitude Test Facility (ATF) at GE's facility in Cincinnati, Ohio, in accordance with GE's *PCB Indoor Ambient Air Monitoring Plan During Short-Term Engine Testing Plan* (Air Monitoring Plan), submitted to EPA on January 8, 2013.

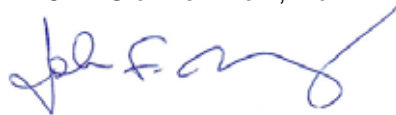
Air test sample ATF-AR-C44-01, located adjacent to the Test Cell #44 room of the ATF, and air test sample ATF-AR-CR2-02, located on the second floor of the compressor room, were both taken over an 8-hour interval. The jet engine being tested was operating for six and a half hours during the 8 hours that the air samples were being collected. For a number of technical reasons, the testing process for this engine has not yet included a period of 8 hours of uninterrupted operations.

Both air pumps were placed in a manner such that the air sample would be collected from the breathing zone. Calibration and preparation of air samples followed Method T0-10A: Compendium of Methods for Toxic Organic Air Pollution. The laboratory analytical results of the sampling event are provided in the Data Summary Table, attached as Table 1 and the sampling locations are provided on the attached Figure 1. As indicated in the attachments, the result for sample ATF-AR-C44-01 (collected adjacent to Test Cell #44) was 20.1 ng/m<sup>3</sup>, and sample ATF-AR-CR2-02 (collected from the ATF compressor room) was 157 ng/m<sup>3</sup>.

Please do not hesitate to contact Jennifer Shea, Counsel for Environmental Affairs at GE Aviation, at (513) 243-4256 or Christopher Bell at Sidley Austin LLP at (713) 495-4508 if you have any questions.

Sincerely,

ARCADIS of New York, Inc.

A handwritten signature in blue ink, appearing to read "John F. Novotny".

John F. Novotny, PE  
Senior Engineer

Attachments

Table 1

Figure 1

Copies:

Susan Perdomo, GE

Jennifer Shea, GE

Christopher Bell, Sidley Austin, LLP

**Table 1**  
**Data Summary - PCB Air Monitoring - April 2013**

**GE - Aviation - Altitude Test Facility**  
**Cincinnati, Ohio**

Sampling ID	Date Collected	Sample Type	Total PCBs (ng/m <sup>3</sup> )	Location Description
<b>Event 2</b>				
ATF-AR-C44-01	4/9/2013	Air	20.1 J	Test Cell 44 open floor area
ATF-AR-CR2-02	4/9/2013	Air	157	Second floor of ATF Compressor Room

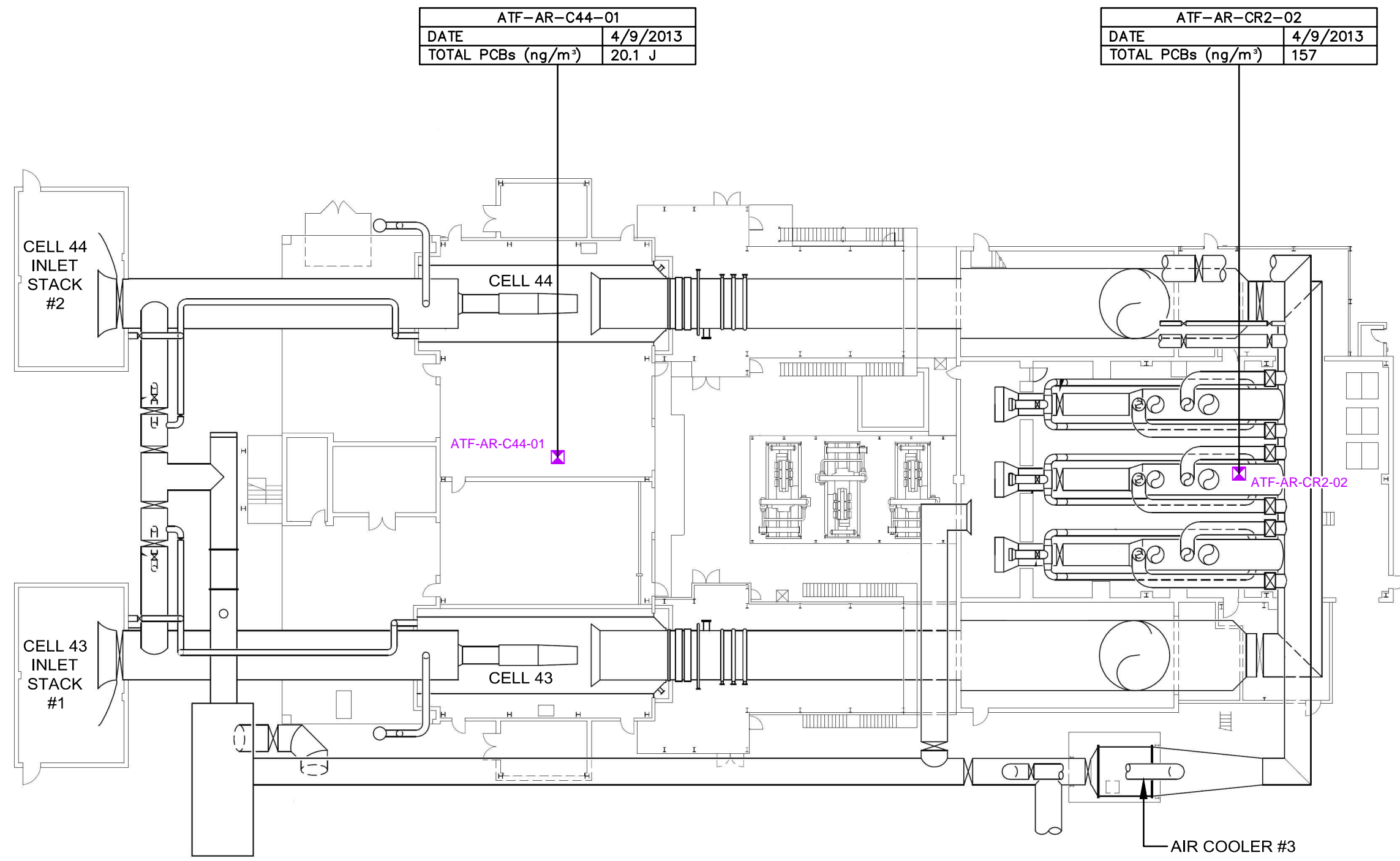
Notes:

1. Samples collected by ARCADIS personnel and submitted to Pace Analytical Laboratory for analysis using USEPA Compendium Method TO-10A procedures.
2. Air pumps were set up at breathing zone height and operated over an 8-hour interval at an air intake rate of approximately 5 L/min, resulting in approximately 2,400 L of air pulled through the puff for each sample.
3. Event 2 took place at the ATF on April 9, 2013.

Abbreviations:

ATF - Altitude Test Facility  
 AR - PCB air sample  
 C44 - Test Cell #44  
 CR2 - compressor room-second floor  
 PCBs - polychlorinated biphenyls  
 J - Denotes an estimated concentration. The concentration result is greater than or equal to the Method Detection Limit (MDL) but less than the Practical Quantitation Limit.  
 ng/m<sup>3</sup> - nanograms per cubic meter

CITY: SYRACUSE, NY DIV/GRP: EN/CAD DB: L POSEMAUER LD: (Opt) PM: CAVERILL TM: (Opt) LVR: (Opt) ON: "OFF" REF: V:\ENVCAD\SYRACUSE\ACT\CB0031231\000000003\DWG\ATSR031231C02.dwg LAYOUT: 1 SAVED: 4/29/2013 12:39 PM ACADVER: 18.1 S (LMS TECH) PAGES: 1 PLOT: 1 PLOT DATE: 4/29/2013 12:39 PM BY: POSEMAUER, LISA



**LEGEND:**

- ✕ AMBIENT PCB AIR MONITORING LOCATION

**SAMPLING NOMENCLATURE:**

- ATF - ALTITUDE TEST FACILITY
- AR - PCB AIR SAMPLE
- C43 - TEST CELL #43
- C44 - TEST CELL #44
- CR2 - COMPRESSOR ROOM SECOND FLOOR

**NOTES:**

1. SAMPLING LOCATIONS ARE APPROXIMATE.
2. SAMPLES ATF-AR-CR2-01 AND ATF-AR-CR2-02 WERE COLLECTED FROM THE SAME LOCATION.
3. ng/m³ - NANOGRAMS PER CUBIC METER
4. J - DENOTES AN ESTIMATED CONCENTRATION.

NOT TO SCALE

GE-AVIATION  
CINCINNATI, OHIO  
**AIR TEST SUMMARY REPORT**

**DATA SUMMARY - PCB RESULTS  
AMBIENT PCB AIR MONITORING**




FIGURE  
**1**